

## **CLAIMS**

What I Claim Is:

1. A modular landing gear wiring harness for a jet aircraft, said wiring harness comprising:

5 a generally tubular wiring harness providing a conduit for electrical wiring, said wiring harness having connectable first, second, third, and fourth sub-assemblies;

said first sub-assembly adapted for electrical connection to aircraft electrical systems;

said second sub-assembly having a first end connectable to said first sub-assembly and a second end connectable to a weight-off-wheels sensing apparatus;

said third sub-assembly having a first end connectable to said first sub-assembly, a second end adapted for connection to a brake temperature monitoring apparatus; and

said fourth sub-assembly having a first end connectable to said third sub-assembly and a second end connectable to an anti-skid sensing apparatus.

2. A modular landing gear wiring harness according to claim 1, wherein said first sub-assembly includes an external abrasion resistant sleeve.

20 3. A modular landing gear wiring harness according to claim 1, wherein said second sub-assembly includes an external abrasion resistant sleeve.

4. A modular landing gear wiring harness according to claim 1, wherein said third sub-assembly includes an external abrasion resistant sleeve.

5. A modular landing gear wiring harness according to claim 1, wherein said fourth sub-assembly includes an external abrasion resistant sleeve.

6. A modular landing gear wiring harness according to claim 1, wherein said connectable ends include composite connectors for reducing overall weight and increasing corrosion resistance.

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7. A modular landing gear wiring harness for a jet aircraft, said wiring harness comprising:

a generally tubular wiring harness providing a conduit for electrical wiring, said wiring harness having connectable first, second, third, and fourth sub-assemblies;

15 said first sub-assembly having a proximal end adapted for electrical connection to aircraft electrical systems and a distal end adapted with first and second connectors;

said second sub-assembly having a proximal end connectable to said first sub-assembly distal end first connector, and a distal end connectable to a weight-off-wheels sensing apparatus;

20 said third sub-assembly having a proximal end connectable to said first sub-assembly distal end second connector, and a distal end adapted for connection to a brake temperature monitoring apparatus;

said fourth sub-assembly having a proximal end connectable to said third sub-assembly and a second end connectable to an anti-skid sensing apparatus.

8. A modular landing gear wiring harness according to claim 7, wherein said  
5 connectors are composite connectors.

9. A modular landing gear wiring harness according to claim 7, further including at least one abrasion resistant outer sleeve.

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